

Water Planning and Stewardship Committee

Item 6b

Subject: Oral Report on Water Surplus and Drought Management

Purpose: Update on 2013 water supply, demand, and storage conditions

Water Planning and Stewardship Committee

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Update on 2013 water supply, demand, and storage conditions



Oral Report on Water Surplus and Drought Management

Water Planning and Stewardship Committee
Item 6b
May 14, 2013

Presentation Overview

- SWP supplies & hydrologic conditions
 - 2013 fisheries restrictions
- CRA supplies & hydrologic conditions
- Demands
- WSDM balance and storage

Key Observations

- Supply picture is relatively unchanged
- Demands are trending upward
- Investments in storage balance supplies and demands
 - Projected use of WSDM storage is increasing
 - Storage reserves expected to end the year near previous peak levels

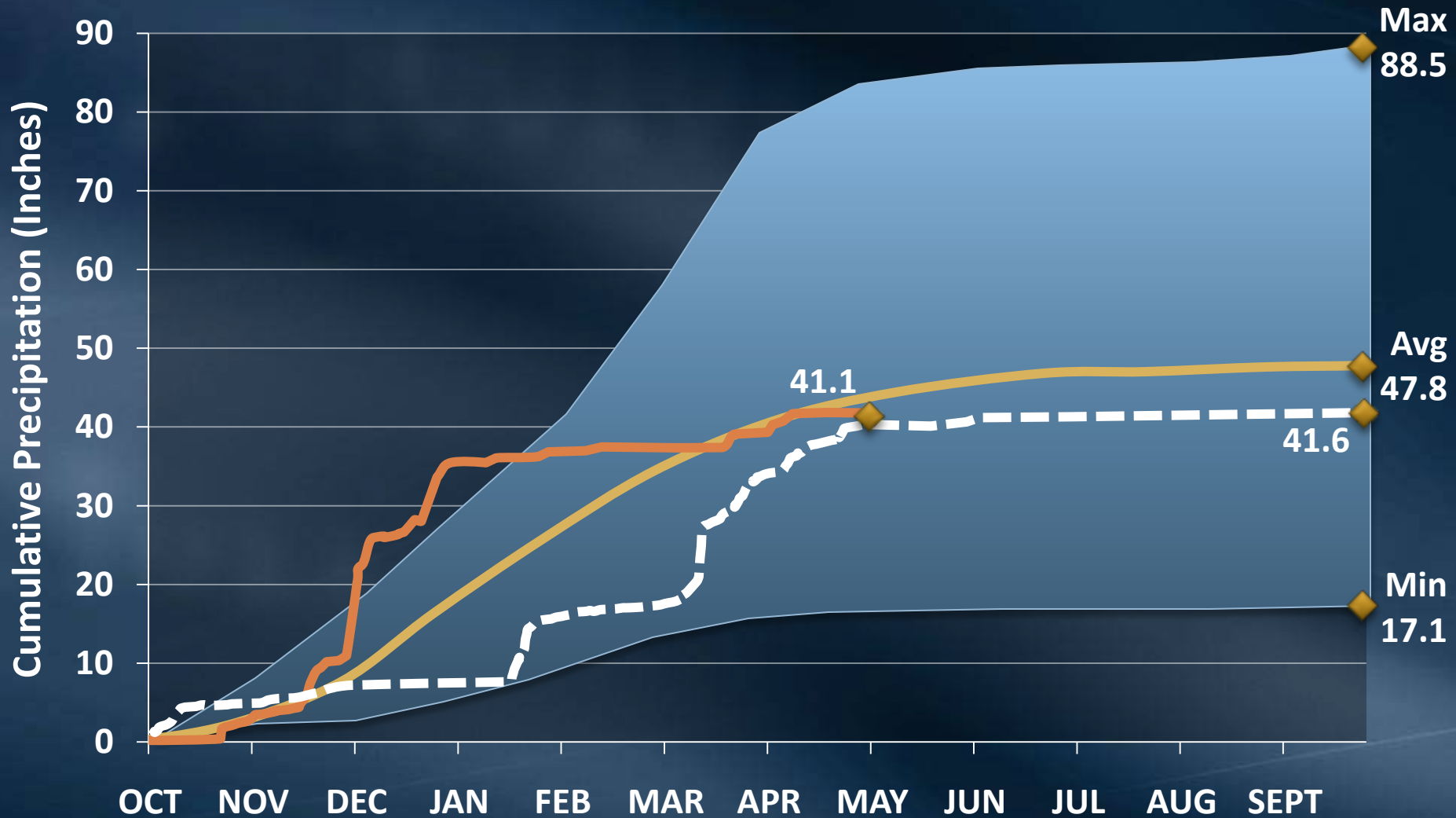
2013 State Water Project Supplies

Currently Allocated

- SWP: 702 TAF
 - 35% Table A Allocation: 669 TAF
 - SWP supply programs: 33 TAF

Northern Sierra Hydrologic Conditions

Eight Station Index 1922-2004



Fisheries Restrictions Update

Estimated Impacts on Supplies*

Calendar Year	SWP (TAF)	MWD (TAF)
2008	494	247
2009	251	126
2010	770	385
2011	465	233
2012	365	183
2013	550	275

* Estimates may be revised as new information is provided by DWR.

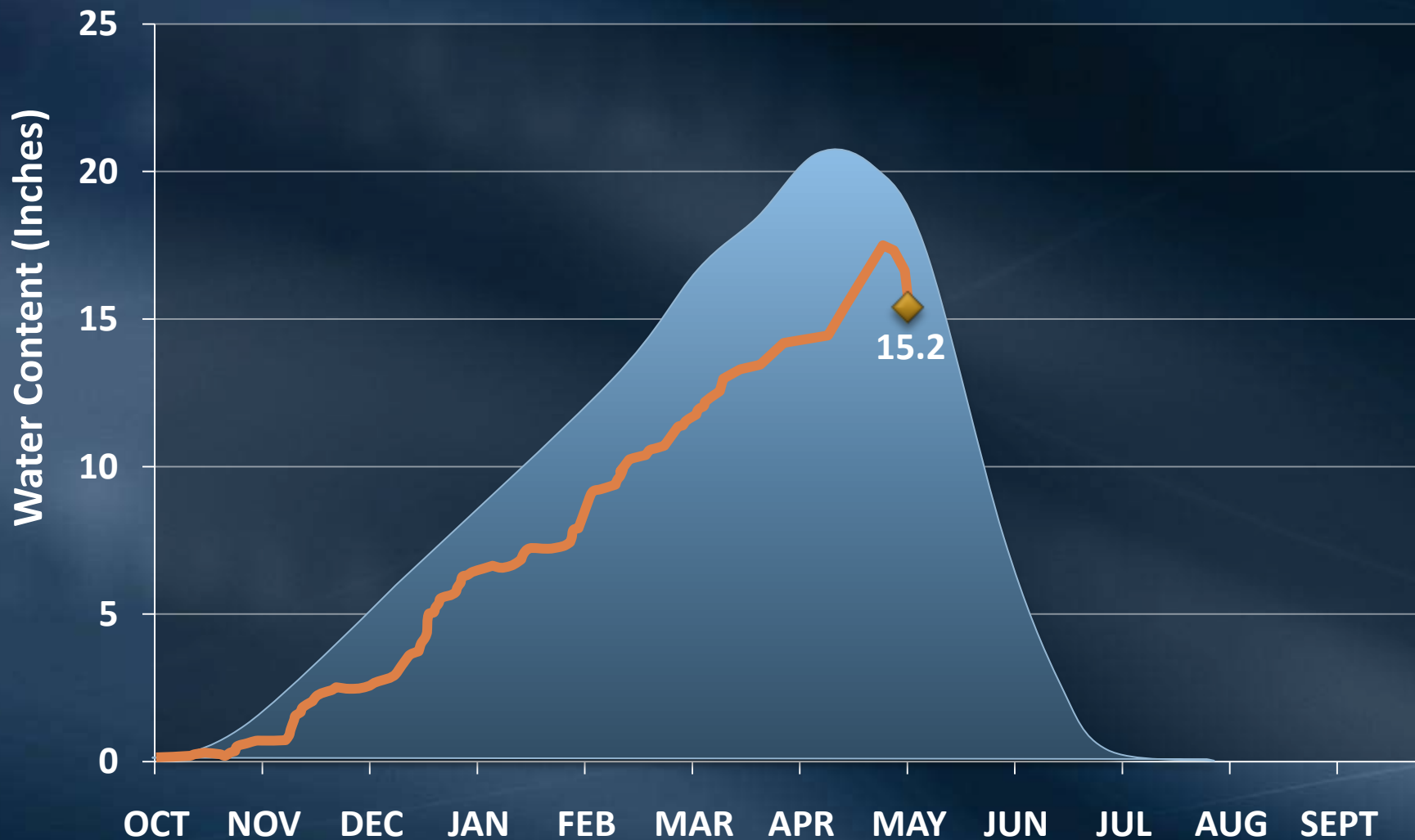
2013 Colorado River Aqueduct Supplies

Estimated Diversions

- CRA: 925 TAF
 - Priority 4: 550 TAF
 - Colorado System programs and exchanges:
375 TAF

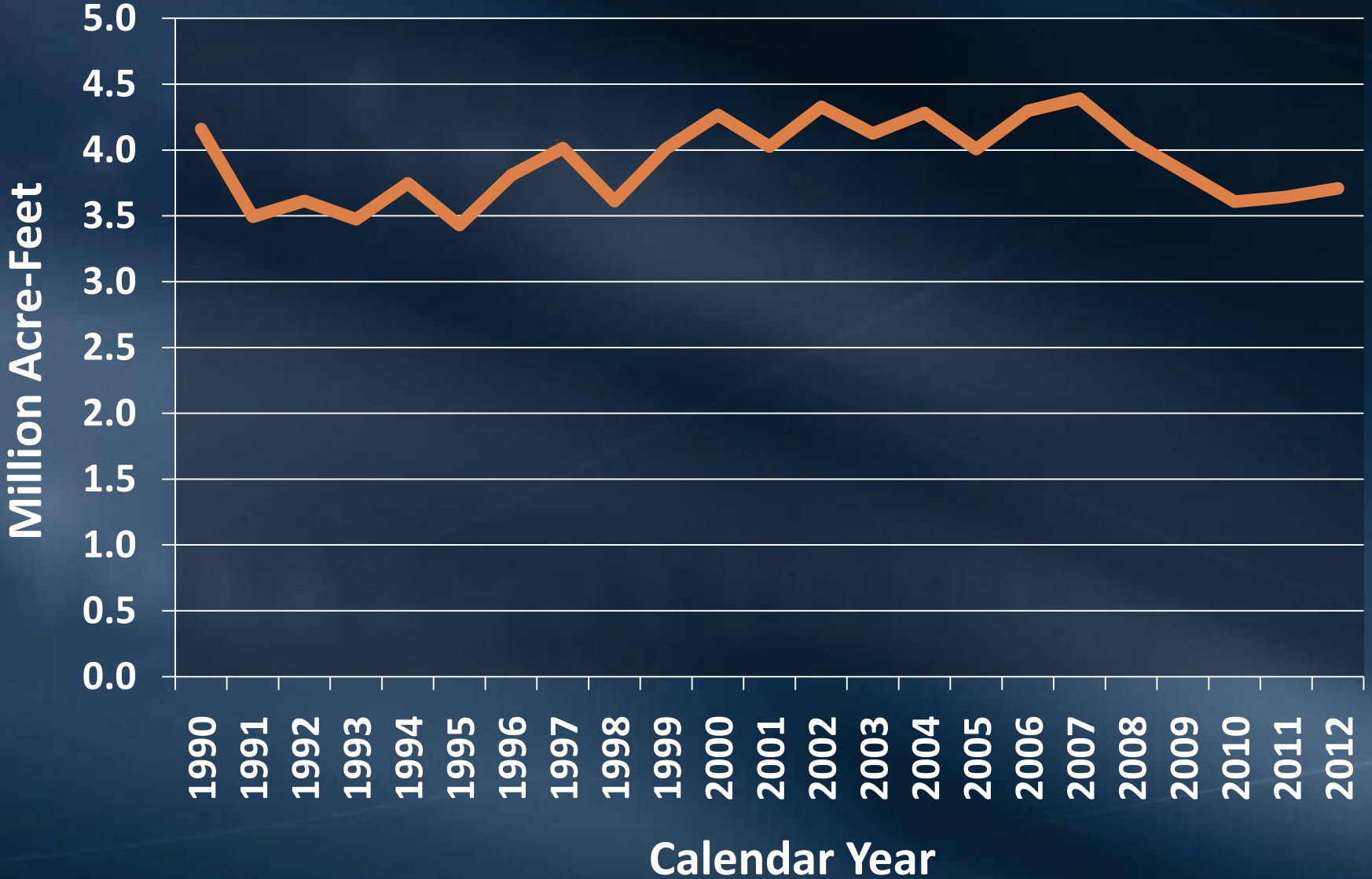
Colorado River Hydrologic Conditions

Upper Colorado Basin Snowpack



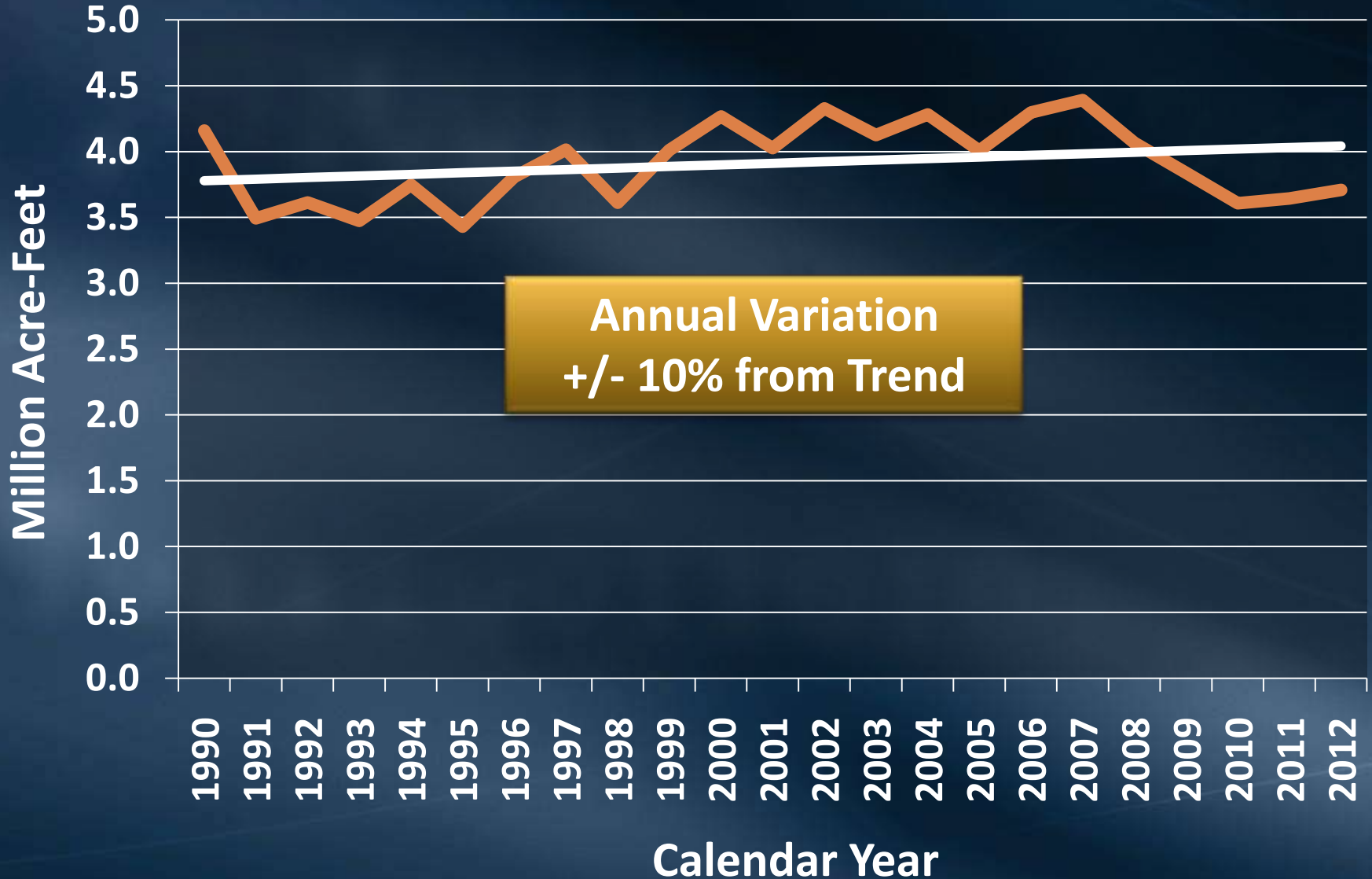
Historical Retail Demands

1990-2012



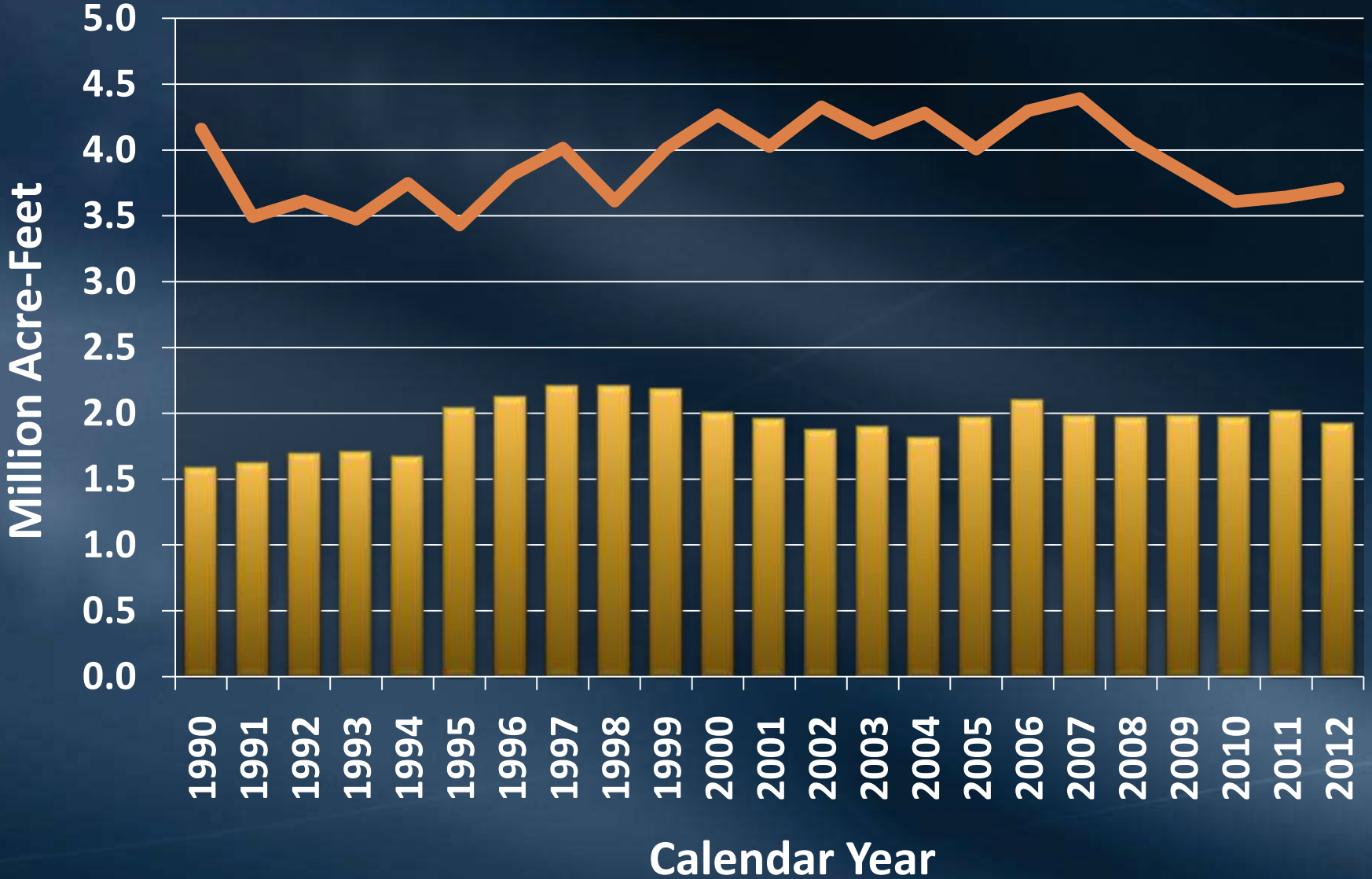
Retail Demands Vary in a Narrow Range

1990-2012



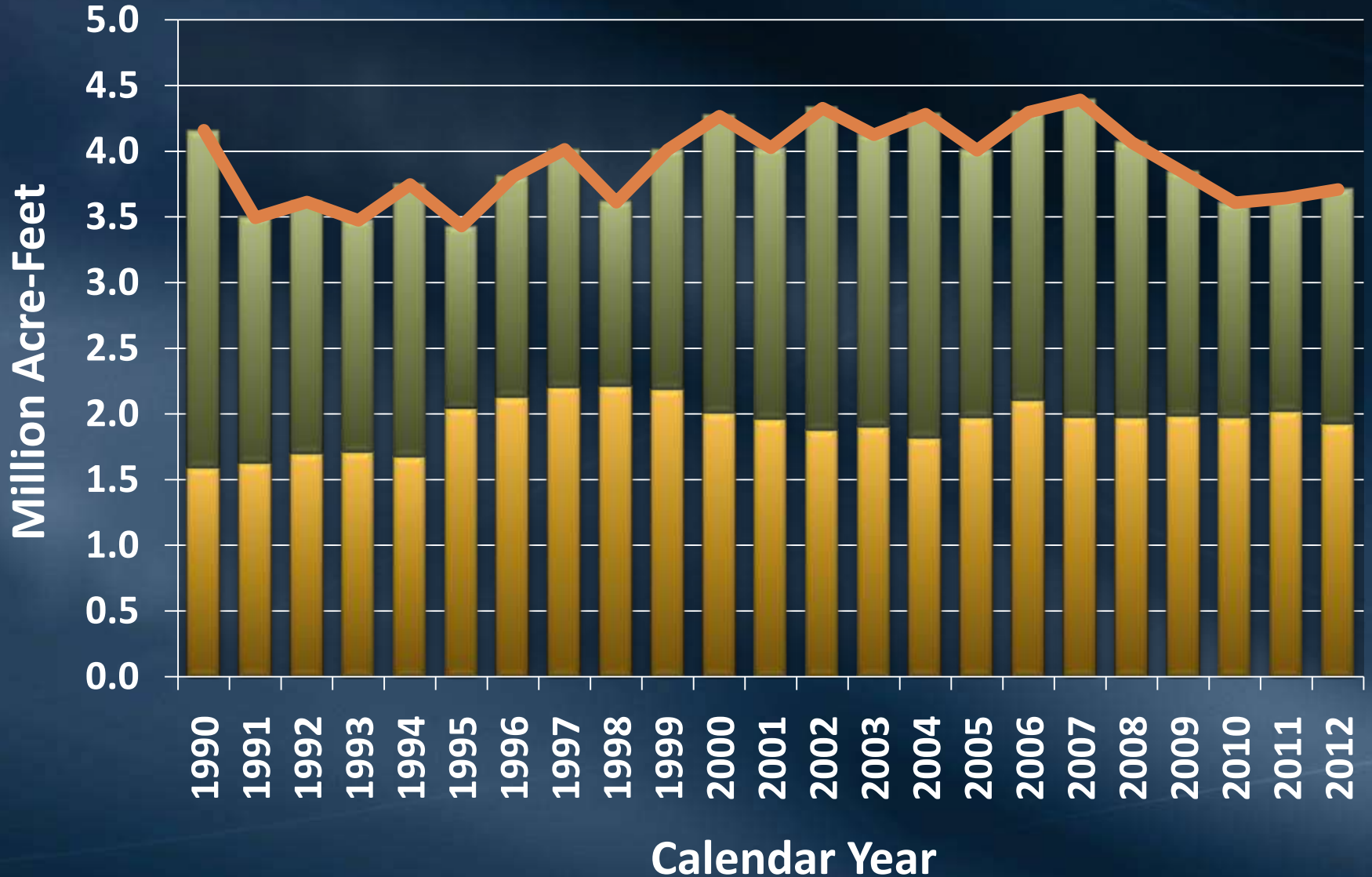
Historical Local Supplies

1990-2012



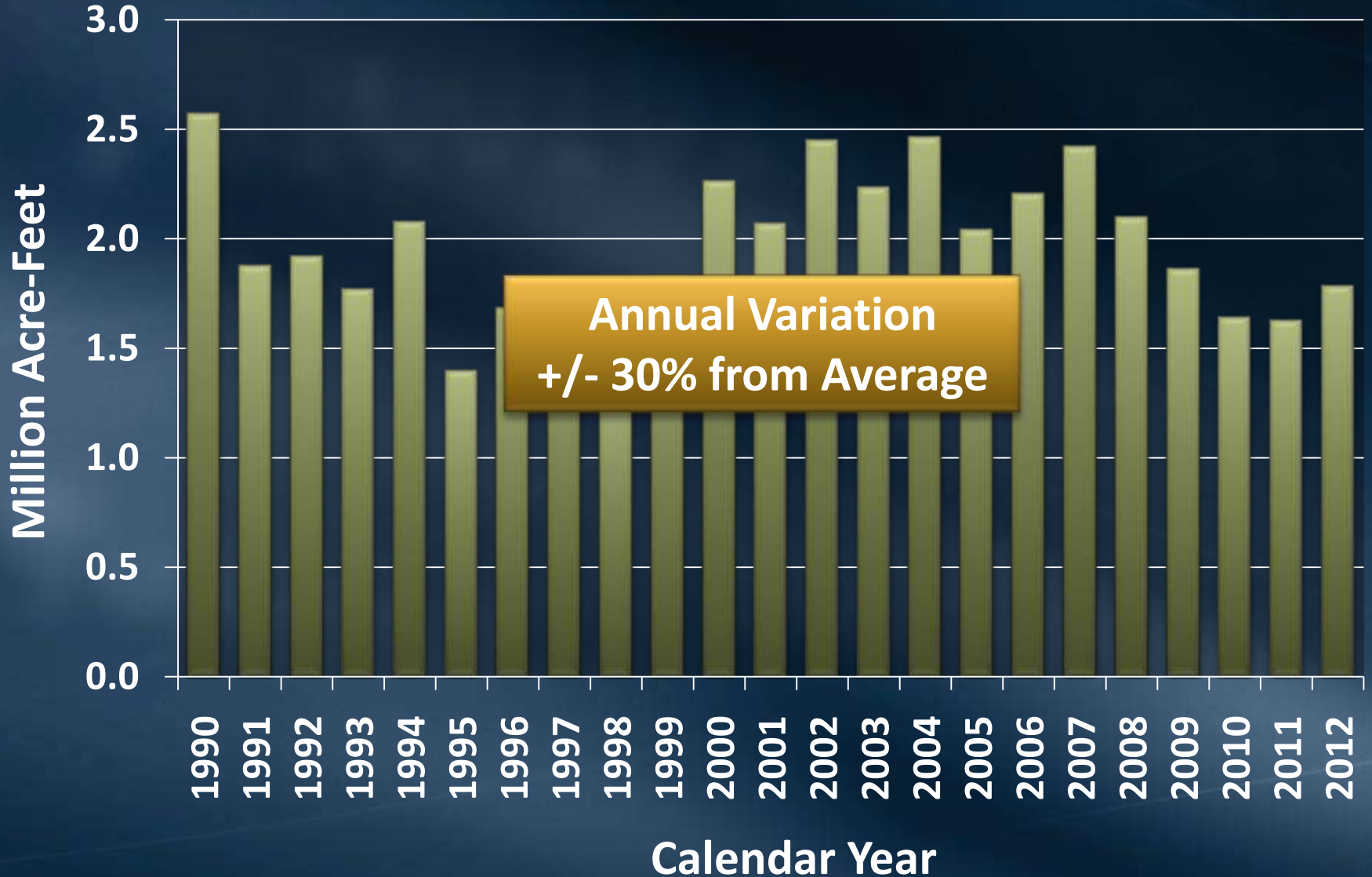
Historical Demands on Metropolitan

1990 -2012



Demands on MWD Vary More than Retail

1990 -2012



2013 Potential Range of Demands

Demands, Obligations & Losses	Low Demand	High Demand
Member Agency Demand	1,750,000	2,150,000
Obligations and Losses	57,000	57,000
Total Demand	1,807,000	2,207,000

- 12-Month rolling average is 1.795 MAF

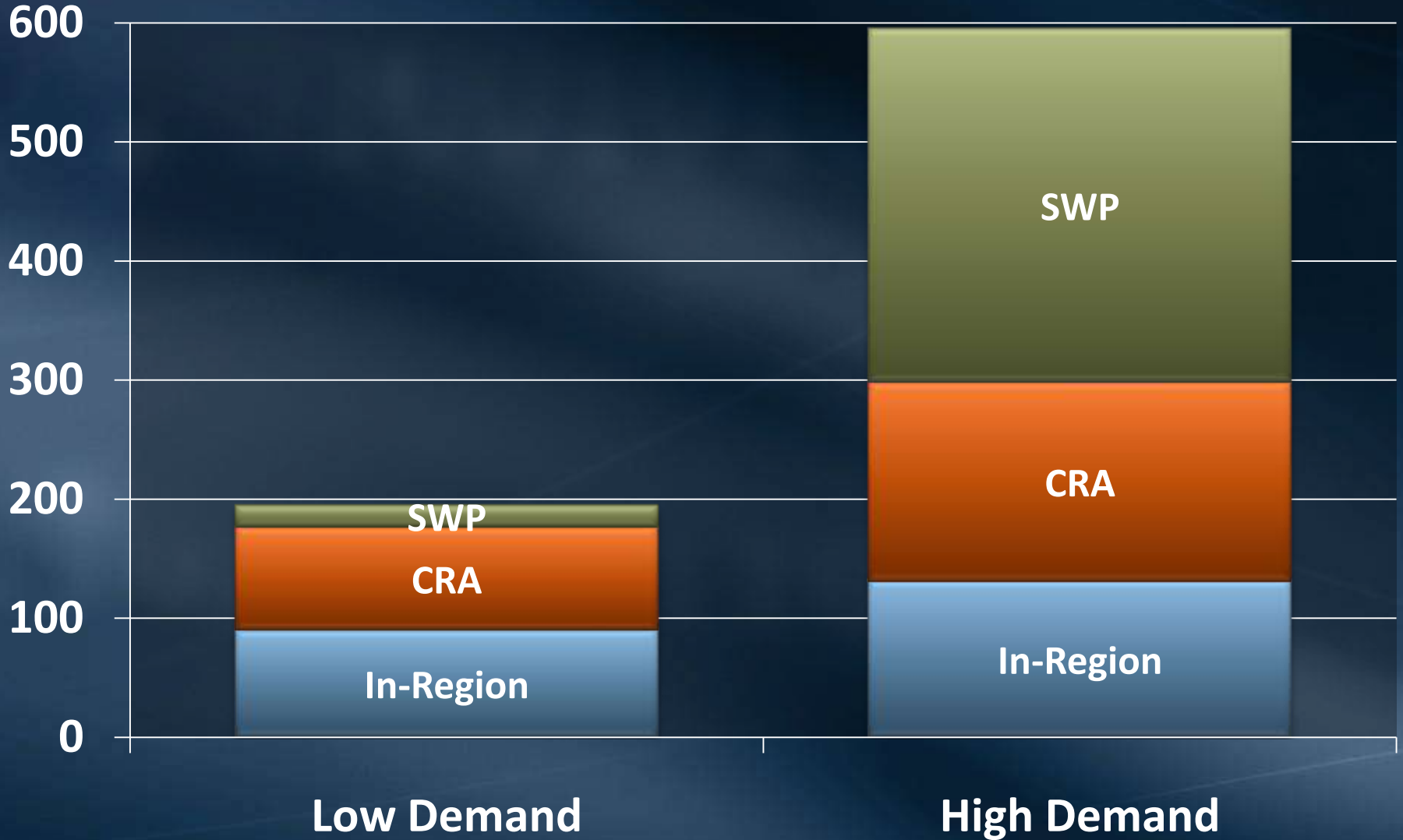
2013 Currently Allocated Supplies

Supply Balance	Acre-Feet
SWP Supply	702,000
CRA Supply	925,000
ICS Losses	-15,000
Total Supply	1,612,000

2013 Water Supply & Demand Balance

Water Balance	Low Demand	High Demand
Total Supplies	1,612,000	1,612,000
Total Demands	1,807,000	2,207,000
Net Water Balance	-195,000	-595,000

2013 Potential WSDM Storage Actions



MWD Storage Reserve Levels

With Range of 2013 Uncertainty

Emergency Storage Dry-Year Storage



Other Potential WSDM Actions

- SWP Multi-Year Pool
- Exchanges
 - SWP and CRA

Next Steps

- Continue tracking 2013 conditions
 - SWP allocation
 - CRA agricultural use
 - Demands
- Resume regular WSDM reporting in October

